

AMENDMENTS TO THE CLAIMS

1 - 10. (Cancelled).

11. (Currently Amended) An assembly that is balanced for rotation comprising: a hollow ~~an~~ article that is unbalanced for rotation; and a balance correction device supported within ~~on~~ said hollow unbalanced article, said balance correction device including a housing that is supported within said hollow unbalanced article, a first disc disposed within said housing and having a first slot provided therein; a second disc disposed within said housing and having a second slot provided therein; and an object disposed within said housing and received within said first and second slots, wherein said first and second discs are positioned relative to one another to position said object relative to said unbalanced article to balance the assembly for rotation.

12. (Cancelled).

13. (Currently Amended) The assembly defined in Claim 11 wherein said first slot ~~begins at or near a rotational center of said first disc and~~ extends generally linearly ~~outwardly therefrom~~.

14. (Currently Amended) The assembly defined in Claim 11 wherein said second slot ~~begins at or near a rotational center of said second disc and~~ extends generally arcuately ~~outwardly therefrom~~.

15. (Currently Amended) The assembly defined in Claim 11 wherein said first slot ~~begins at or near a rotational center of said first disc and~~ extends generally linearly ~~outwardly therefrom~~, and wherein said second slot ~~begins at or near a rotational center of said second disc and~~ extends generally arcuately ~~outwardly therefrom~~.

16. (Previously Presented) The assembly defined in Claim 11 wherein said object is a ball.

17. (Currently Amended) The assembly defined in Claim 11 further including a control system for moving said first and second discs ~~are~~ relative to one another to vary the position of said object relative to said unbalanced article.

18. (Previously Presented) The assembly defined in Claim 17 wherein said control system includes a sensor that generates a signal that is representative of a magnitude and location of a corrective action that can be taken to counterbalance the imbalances of said unbalanced article.

19. (Previously Presented) The assembly defined in Claim 18 wherein said control system further includes a controller that is responsive to said signal from said sensor for moving said first and second discs relative to one another.

20. (Previously Presented) The assembly defined in Claim 19 wherein said control system further includes first and second motors for moving said first and second discs relative to one another, and wherein controller is responsive to said signal from said sensor for controlling the operation of said first and second motors.

21. (Currently Amended) A method of balancing an unbalanced article for rotation comprising the steps of:

- (a) providing a hollow ~~an~~ article that is unbalanced for rotation;
- (b) providing a balance correction device including a housing, a first disc disposed within said housing and having a first slot provided therein; a second disc disposed within said housing and having a second slot provided therein; and an object disposed within said housing and received within said first and second slots;
- (c) supporting the balance correction device within ~~on~~ the hollow unbalanced article; and
- (d) positioning the first and second discs relative to one another to position the object relative to the hollow unbalanced article to balance the assembly for rotation.

22. (Cancelled).

23. (Currently Amended) The method defined in Claim 21 wherein said step (b) is performed by providing a first slot that ~~begins at or near a rotational center of the first disc and extends generally linearly outwardly therefrom~~.

24. (Currently Amended) The method defined in Claim 21 wherein said step (b) is performed by providing a second slot that ~~begins at or near a rotational center of the second disc and extends generally arcuately outwardly therefrom~~.

25. (Currently Amended) The method defined in Claim 21 wherein said step (b) is performed by providing a first slot that ~~begins at or near a rotational center of the first disc and extends generally linearly outwardly therefrom~~, and by providing a second slot that ~~begins at or near a rotational center of the second disc and extends generally arcuately outwardly therefrom~~.

26. (Previously Presented) The method defined in Claim 21 wherein said step (b) is performed by providing the object as a ball.

27. (Currently Amended) The method defined in Claim 21 wherein said step (d) is performed by providing a control system for moving the first and second discs ~~are~~ relative to one another to vary the position of the object relative to the unbalanced article.

28. (Previously Presented) The method defined in Claim 27 wherein said step (d) is performed by providing the control system with a sensor that generates a signal that is representative of a magnitude and location of a corrective action that can be taken to counterbalance the imbalances of the unbalanced article.

29. (Previously Presented) The method defined in Claim 28 wherein said step (d) is performed by further providing the control system with a controller that is responsive to the signal from the sensor for moving the first and second discs relative to one another.

30. (Previously Presented) The method defined in Claim 29 wherein said step (d) is performed by further providing the control system with first and second motors for moving the first and second discs relative to one another, and the controller being responsive to the signal from the sensor for controlling the operation of the first and second motors.